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(54) Title: ADAPTIVE BIAS CURRENT CIRCUIT AND METHOD FOR AMPLIFIERS

(57) Abstract: An adaptive bias method and circuits for amplifiers that provide a substantial current boost based at least partly upon a sensed input power of an amplifier circuit. Methods and circuits of the invention provide an additional bias current based upon the sensed input power. Circuits of the invention may be simple, area-efficient, low-power, stable and digitally-programmable. In addition, methods and circuits of the invention may be used with a number of amplifier circuit configurations, including amplifiers having either inductor and/or resistive degeneration.

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